

CONFIDENTIAL

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MEMO/TSSG/NSD-160-70
25 June 1970

MEMORANDUM FOR: Chief, Engineering Support Division, TSSG/NSD

SUBJECT : Request for Test Information--Improved Rear Projection Screen

25X1
1. On 15 June 1968, a U.S. Government Classified Contract was negotiated with the [] for a "Study Program to Develop (Screen) Material Suitable for Use in a Rear Projection Viewer." This contract will terminate on 30 June 1970, with the delivery of a 6" square sample lenticular screen.

25X1
2. During the life of this contract, the NSD Project Monitor, [] has maintained liaison with [] TSSG/NSD, to assure that the pre-acceptance and final acceptance testing of the screen would proceed in a logical manner. Coordination was considered to be especially important in this case since use of the necessary sophisticated test equipment at the contractor's facility would probably be required.

25X1
3. While the lenticular screen developed under the present contract has a number of qualities which appear to be far superior to presently available commercial screens, it displays a diffraction pattern effect which is attributable to the precise spacing of the lenticules. However, both [] and [] believe that randomized spacing of the lenticules, which is well within the present state of the ruling art, will break up this diffraction pattern to a degree where it will not interfere with the intended use of the screen. The required additional development and subsequent production of a 30" square screen is planned for accomplishment in FY-71.

25X1
25X1
4. Recognizing the fact that the lenticular screen developed under the present contract would not be a final or optimum screen, the Project Monitor, after consultation with [] considered that extensive acceptance testing of the screen was not warranted. However, the Project Monitor recommended that [] accompany him on a trip to the [] for the purpose of reviewing the test procedures and specially constructed test equipment being used by the contractor. This two day trip was made during the week of 14 June 1970.

Declass Review by
NIMA/DOD

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GROUP 1
Excluded from automatic
downgrading and
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5. To assist the Project Monitor in developing a follow-on contract which will be most advantageous to the government, it is requested that a written report of [] findings, together with recommendations for improving the test procedures, if deemed necessary, be furnished. This report should be forwarded to reach RED no later than the week of 12 July 1970.

Chief, Research & Engineering Division,
TSSB/RED

Distribution:

Original - Addressee

- 1 - TSSB/RED/FO
- 1 - Project Monitor
- 2 - TSSB/RED/SRB

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